

The Outline of Proposed Amendment to Ministerial Ordinance

1 Item

Partial amendment of Regulations for Enforcement of Radio Act

2 Amendment to ministerial ordinance

Regulations for Enforcement of Radio Act

Regulations for Radio Equipment

Rules Concerning Certificate of specific Radio Equipment

3 Reasons for amendment

In Japan, frequency of RFID tag system using UHF band applies 950-958MHz frequency band. Recently, there are tendency to reallocate the frequency of several radio systems and has developed a policy that RFID tag system should be shift to 920MHz band due to the international collaboration and the increase of future demand for frequency. Mobile Communication Committee (Telecommunications Technology Sub Council, Telecommunications Council) is examining and summarizing the technical conditions relevant to the 920MHz Frequency band RFID tag system.

When Telecommunications Council submit a partial report, it is required to make partial amendment of Regulations for Enforcement of Radio Act

4 Outline of the amendment

	Passive tag system		Active tag system			
Antenna power	1W(max)	250mW(max)	250mW(max)	20mW(max)		1mW(max)
Antenna gain	6dBi or less	3dBi or less				
Frequency band	916.7~920.9MHz	916.7~923.5MHz	920.5~923.5MHz	920.5 ~ 923.5MHz	923.5 ~ 928.1MHz	915.9~929.7MHz
The number of channel	6 channel (916.8、918、919.2、920.4、920.6、920.8MHz)	19 channel (916.8、918、919.2、920.4~923.4MHz each 200kHz band)	15 channel (920.6 ~ 923.4MHz each 200kHz band)	38 channel (920.6~928MHz each 200kHz band)		①61 channel(916~928MHz each 200kHz band) ② 16 channel(928.15 ~ 929.65MHz each 100kHz band)
Channel use	1 – 3	1 – 5				①1 - 5 ②1 - 5
Carrier sense time	5ms or more	①5ms or more ②128μs or more			128μs or more	No Need
Transmission time	4s	①4s ②400ms (Total 360s/h or less)			400ms (Total 360s/h or less)	① 100ms (Total 3.6s/h or less) ②50ms
Stop time after transmission time	50ms or more	①50ms or more ②2ms or more (0s if transmission time is less than 6ms)			2ms or more(0s if transmission time is less than 6ms)	① 100ms (Total 3.6s/h or less) ②50ms

- 5 Proposed data of entry into force
November, 2011